

Occultatione de α Tauri (Aldebaran) per Luna, 1922 Aug. 17

(praedictione pro Europa)

per Th. Banachiewicz et M. Kamiński.

Locos es dato in tabula secundum crescente longitudines. Latitudines es geographico. *T. U.* designa Tempore Universale, id es tempore medio civile de Greenwich, computato ab medionocte; phaenomeno occurre in horas matutino. Aetate de Luna es 24 die; stella dispari apud parte illuminato de Luna et reappare apud parte obscuro.

No	L o c o	φ	λ	I m m e r s i o n e			E m e r s i o n e		
				T. U.	Angulo		T. U.	Angulo	
					ab N.	ab Z.		ab N.	ab Z.
		o	o	h m	o	o	h m	o	o
1	Lisboa	38.71	−9.18	2 26.5	92.6	147	3 28.7	239.9	294
2	Marcree	54.18	−8.45	2 52.4	61.4	109	3 54.9	274.6	310
3	Coimbra	40.21	−8.43	2 28.7	89.7	142	3 32.4	243.0	295
4	Armagh	54.35	−6.65	2 53.1	62.3	99	3 56.7	273.6	308
5	Dublin	53.39	−6.33	2 51.3	64.5	102	3 55.6	271.2	306
6	San Fernando	36.46	−6.21	2 25.6	101.3	157	3 25.4	230.5	287
7	Glasgow	55.88	−4.29	2 57.0	61.4	108	4 0.8	275.0	306
8	Madrid	40.41	−3.69	2 31.3	93.9	147	3 35.9	238.4	289
9	Edinburgh	55.92	−3.18	2 57.6	62.1	97	4 1.8	274.3	304
10	Liverpool	53.40	−3.07	2 52.4	66.9	105	3 58.6	268.7	303
11	Stonyhurst	53.84	−2.47	2 53.7	66.5	104	3 59.7	269.2	302
12	Abbadia	43.38	−1.75	2 36.3	88.7	138	3 38.3	244.1	291
13	Durham	54.77	−1.58	2 55.7	65.4	100	4 1.8	270.4	301
14	Oxford	51.76	−1.26	2 50.0	71.5	110	3 58.0	263.6	305
15	Bordeaux	44.83	−0.52	2 39.0	86.6	134	3 47.3	246.6	291
16	Tulse Hill	51.45	−0.11	2 50.0	73.0	112	3 58.6	262.0	297
17	Greenwich	51.48	0.00	2 50.2	73.0	112	3 58.7	262.0	297
18	Cambridge	52.21	0.10	2 51.6	71.6	110	4 0.0	263.6	297
19	Toulouse	43.61	1.46	2 38.8	91.1	139	3 46.7	241.6	287
20	Barcelona	41.42	2.11	2 36.7	97.2	148	3 37.8	235.0	283
21	Meudon	48.80	2.23	2 47.0	80.4	122	3 57.0	253.9	291
22	Paris	48.84	2.33	2 47.2	80.3	122	3 57.1	253.9	291
23	Alger	36.80	3.03	2 33.7	111.2	168	3 31.8	219.8	273
24	Bruxelles	50.80	4.35	2 51.7	77.9	118	4 2.3	257.0	290
25	Anvers	51.20	4.42	2 52.5	77.1	116	4 3.0	258.0	290
26	Leiden	52.16	4.48	2 54.1	75.2	113	4 4.4	260.3	291
27	Lyon	45.70	4.78	2 44.4	89.5	134	3 54.1	243.9	284
28	Utrecht	52.09	5.12	2 54.4	76.0	115	4 5.0	259.5	290
29	Marseilles	43.30	5.38	2 41.8	95.9	144	3 49.9	236.7	277
30	Liège	50.62	5.56	2 52.3	79.2	118	4 3.3	255.6	288
31	Besançon	47.25	5.98	2 47.4	87.0	130	3 58.2	246.8	285
32	Genève	46.20	6.15	2 46.3	89.6	134	3 56.5	244.0	283
33	Düsseldorf	51.21	6.76	2 54.2	79.0	117	4 5.5	256.1	287
34	Neuchâtel	47.00	6.96	2 48.0	88.5	131	3 58.8	245.3	282
35	Bonn	50.73	7.10	2 53.6	80.3	119	4 5.2	254.6	287
36	Nice	43.72	7.30	2 43.3	99.1	146	3 50.8	236.4	279
37	Bern	46.95	7.44	2 48.4	89.0	132	3 59.9	244.7	281
38	Torino	45.06	7.74	2 46.3	93.9	139	3 56.0	239.3	279
39	Strasbourg	48.58	7.77	2 50.8	85.6	128	4 2.6	248.7	283
40	Carloforte	39.14	8.31	2 41.5	110.7	164	3 42.5	220.9	270
41	Zürich	47.38	8.55	2 49.9	89.1	131	4 1.4	244.9	280
42	Frankfurt a. M.	50.14	8.67	2 54.1	82.9	122	4 6.2	252.0	283
43	Heidelberg	49.40	8.72	2 52.9	84.6	125	4 5.1	250.0	281
44	Genova	44.42	8.92	2 46.6	96.6	143	3 56.0	236.4	276
45	Milano	45.47	9.19	2 48.1	94.2	138	3 58.3	239.0	277
46	Göttingen	51.53	9.94	2 57.4	80.8	118	4 9.8	254.6	283
47	Hamburg	53.55	9.97	3 0.6	76.6	111	4 12.6	259.5	285
48	Kiel	54.34	10.15	3 2.0	75.0	108	4 13.8	261.4	284
49	Bergedorf	53.48	10.24	3 1.1	76.3	110	4 13.2	260.0	283
50	Gotha	50.94	10.70	2 57.0	82.8	121	4 9.8	252.4	280

No	L o c o	φ	λ	I m m e r s i o n e			E m e r s i o n e		
				T. U.	Angulo		T. U.	Angulo	
					ab N.	ab Z.		ab N.	ab Z.
		o	o	h m	o	o	h m	o	o
51	Christiania	59.91	10.72	3 12.4	64.0	90	4 20.1	274.3	292
52	Bamberg	49.88	10.89	2 55.6	85.4	123	4 8.3	249.6	280
53	Modena	44.65	10.93	2 49.2	98.1	143	3 58.6	235.0	273
54	Arcetri	43.75	11.26	2 48.6	100.7	148	3 57.2	232.0	270
55	Jena	50.93	11.58	2 57.9	83.5	120	4 11.0	251.8	279
56	München	48.15	11.61	2 54.0	90.0	131	4 6.4	244.3	276
57	Padova	45.40	11.87	2 51.0	97.1	141	4 1.4	236.3	271
58	Venezia	45.44	12.34	2 51.6	95.5	140	4 2.2	236.1	270
59	Leipzig	51.34	12.39	2 59.3	83.2	119	4 12.5	252.3	278
60	Roma	41.90	12.47	2 48.7	107.4	155	3 54.0	225.1	266
61	Potsdam	52.38	13.06	3 1.4	81.5	115	4 14.6	254.5	279
62	Lund	55.70	13.18	3 6.6	74.3	105	4 18.8	262.7	284
63	Palermo	38.11	13.36	2 49.3	121.4	174	3 43.7	210.3	258
64	Berlin	52.51	13.36	3 1.8	81.4	115	4 15.3	254.7	278
65	Teramo	42.66	13.73	2 51.1	106.6	154	3 57.4	226.1	264
66	Triest	45.64	13.77	2 53.6	98.3	141	4 4.3	235.5	268
67	Pola	44.86	13.84	2 52.9	100.4	144	4 2.7	233.0	267
68	Kremsmünster	48.06	14.13	2 56.7	92.4	132	4 9.6	242.1	271
69	Napoli	40.86	14.26	2 51.0	113.0	162	3 53.1	219.4	260
70	Praha	50.09	14.42	2 59.5	87.9	125	4 13.2	247.4	273
71	Catania	37.50	15.08	2 53.0	126.6	180	3 42.5	205.0	253
72	Zagrzeb	45.80	15.98	2 55.6	100.0	142	4 7.5	234.0	265
73	Wien	48.21	16.35	2 59.4	94.0	132	4 12.5	241.0	268
74	Hereny	47.26	16.60	2 58.6	96.8	136	4 11.2	237.9	265
75	Poznań	52.39	16.88	3 5.2	84.4	129	4 19.5	252.0	273
76	Breslau	51.12	17.03	3 3.7	87.4	120	4 18.1	248.5	270
77	Upsala	59.86	17.62	3 17.2	68.4	91	4 27.6	270.4	283
78	Stockholm	59.34	18.06	3 16.7	69.6	93	4 27.7	269.0	282
79	O-Gyalla	47.87	18.19	3 1.4	96.6	134	4 14.4	238.4	263
80	Gdańsk	54.35	18.66	3 9.8	81.1	123	4 24.2	256.0	272
81	Kalocsa	46.53	18.98	3 1.4	101.0	139	4 13.0	233.8	259
82	Budapest	47.49	19.06	3 2.4	98.4	135	4 15.0	236.6	261
83	Kis-Kartal	47.70	19.55	3 3.2	98.3	135	4 16.0	236.9	260
84	Kraków	50.06	19.96	3 6.0	92.6	126	4 20.4	243.5	262
85	Białogród	44.80	20.49	3 2.6	107.7	148	4 11.2	226.6	253
86	Königsberg	54.71	20.50	3 12.2	82.5	111	4 27.0	256.0	270
87	Warszawa	52.22	21.03	3 9.8	87.9	118	4 25.0	249.0	264
88	Athenai	37.97	23.72	3 14.7	141.4	188	3 50.1	191.4	228
89	Lwów	49.84	24.02	3 11.3	96.4	126	4 26.0	240.2	254
90	Rihga	56.95	24.11	3 18.8	78.8	104	4 33.5	260.2	269
91	Helsinki	60.16	24.96	3 24.0	71.9	97	4 36.3	268.1	274
92	Wilno	54.68	25.26	3 17.5	84.9	111	4 33.3	253.5	262
93	Tartu	58.38	26.71	3 23.4	77.0	102	4 37.6	262.9	268
94	Petersburg	59.94	30.30	3 28.7	75.0	97	4 42.3	266.0	268
95	Pułkowo	59.77	30.33	3 28.8	75.5	98	4 42.6	265.4	267
96	Kijów	50.45	30.50	3 21.5	99.7	124	4 36.2	238.5	242
97	Odesa	46.48	30.76	3 21.5	112.6	139	4 30.0	224.8	232
98	Mikołajów	46.97	31.95	3 23.6	111.9	136	4 32.7	225.9	230
99	Charków	50.00	36.23	3 31.1	105.0	121	4 44.4	235.0	231
100	Moskwa	55.75	37.57	3 34.4	89.2	102	4 50.7	252.0	245

Praedictione es facto cum auxilio de tabulas, constructo per calculatore E. Rybka in speciali modo pro Aldebaran. Ce tabulas exhibe latitudines geographico et angulo horare de stella exacto ad 0°.01, in functione de ξ et η , coordinatas de puncto de observatione supra plano fundamentali. Positione de Luna es reposito supra *Naut. Alm.*, sed correcto de +0°.87 et +1''.5 secundum observationes in Greenwich in 1921.

Contenu du Nr. 12: *Th. Banachiewicz et M. Kamiński*: Occultatione de α Tauri (Aldebaran) per Luna, 1922 Aug. 17.

Drukowano z rozporządzenia Obserwatorjum Krakowskiego.